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CIA-RDP86-00513R001343620011-0"

PUSHKAREV, B.N., inzh.

Structural lay-out of the automation of train control in a
section. Zhel.dor.transp. 42 no.2:59-63 F '60. (MIRA 13:5)
(Railroads--Automatic train control)

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CIA-RDP86-00513R001343620011-0

UCHKAROV, B. N., Cand Tech Sci -- (diss) "Increase in the reliability of control of the employment of lines of rolling stock on electrified stretches in electrical centralization." Moscow, 1960. 10 pp; (Ministry of Railroads USSR, All-Union Scientific Research Inst of Railroad Transcorr); 150 copies; free; (KL, 22-60, 158)

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CIA-RDP86-00513R001343620011-0"

PUSHKAREV, G.A., inzh.

Equipment for the magnetic separation of emulsions in
thin sheet rolling mills. Sbor. st. NIITIAZHMASHa
Uralmashzavoda no.6:161-164 '65.

(MIRA 18:11)

KALASHNIKOVA, M.I., inzh.; PUKHKAREV, G.A., inzh.

Selecting lubricants for rolling mill equipment. Sbor. st.
NIITIAZEMASH Uralmashzavoda no.6:296-323 '65.
(MIRA 18:11)

FUSHKAREV, G. I.

The book "The Working of Iron Ores by the Open Pit Method" was written by G. I. Fushkarev and others. It is intended for workers in iron ore mining and metallurgy, as well as for students of technical schools and universities. The book contains a large amount of practical material on the working of iron ores by the open pit method, including the results of research work carried out at the Magnitogorsk Mining-Metallurgical Institute imeni G. E. Nosov.

Author	Title of Work	Published by
Zurkov, P.E.	"The Working of Iron Ores	Magnitogorsk Mining Metal-
Poyov, S.I.	by the Open Pit Method"	lurgical Institute imeni
Gologin, G.M.		G. E. Nosov
Karpov, A.F.		
Nikol'skiy, N.A.		
Shitev, I.S.		
Bulychev, V.V.		
Ogiyevskiy, V.N.		
Treyvus, M.N.		
Shtremt, A.A.		
Trofimov, G.V.		
<u>Fushkarev, G.I.</u>		
Markman, N.Ye.		
Tikhovidov, I.I.		

MATSUK, Yu.P., inzhener; TVERDOVSKIY, G.I., inzhener; KREYSINA, R.A.;
PUSHKAREV, G.P., inzhener; SAVCHENKO, N.Ya., inzhener.

Cooling the horizontal barrels of screw presses. Masl.-zhir.
prom.21 no.2:9-11 '56. (MLRA 9:7)

1.Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhirov (for Matsuk, Tverdovskiy, Kreysina).2.Namanganskiy
maslozavod (for Pushkarev, Savchenko).
(Oil industries--Equipment and supplies)

PUSHKINOV, I.A.

Volatile fatty acids produced by ascarids (*Ascaris suum* Goeze, 1782) cultivated under aerobic and anaerobic conditions. Med. paraz. i paraz. bol. 34 no. 5:551-556 S-0
'65 (MIFI A 19:1)

1. Otdel gel'mintologii Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Mertsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva. Submitted February 11, 1965.

ZHUCHKOV, M.G., inzh. (Leningrad); PUSHKAREV, I.F., inzh. (Leningrad);
EL'BERG, V.G., inzh. (Leningrad)

Electric control of a hydromechanical transmission system. Elek.
i tepl. tiaga 4 no.5:30-31 My '60. (MIRA 13:7)
(Diesel locomotives—Transmission devices) (Automatic control)

PUSHKAREV, I.F., inzh.; ZASLAVSKIY, G.N.; KUZNETSOV, T.F., starshiy nauchnyy sotrudnik; KHATSELEVICH, M.N., inzh.

Replies to the inquiries of our readers. Elek. i tepl. tiaga 6 no.10:35-36 0 '62. (MIRA 15:11)

1. Zaveduyushchiy bazovoy teplovoznoy laboratoriyyey Khar'kovskogo instituta inzhenerov zheleznodorozhnogo transporta in. Kir'eva (for Zaslavskiy).

(Diesel locomotives)
(Railroads--Rolling stock)

PUSHKAREV, I.F., inzh.

Motion equation of the automatic control system of the diesel
locomotive hydraulic drive. Trudy LIIZHT no.176:70-79 '61.
(MIRA 15:5)
(Diesel locomotives—Hydraulic drive) (Automatic control)

RYMASHEVSKIY, D.A., inzh.; SOBOLEV, V.M., inzh.; KOVRIZHKIN, N.P., inzh.;
PUSHKAREV, I.F., inzh.; STREKOPYTOV, V.V., inzh.

Answering readers' queries. Elektri tepl.tiaga 6 no.5:41 May '61.
(MIRA 15:6)
(Electric locomotives) (Diesel locomotives)

PUSHKAREV, I.F., inzh.; STREKOPYTOV, V.V., inzh.; KOVRIZHKIN, N.P., inzh.;
KURBATOV, A.I., proyemshchik; KHATSKELEVICH, M.N., inzh.

Answering readers' queries. Elek. i tepl. tiaga 6 no.4:36-37
Ap '62. (MIRA 15:5)

1. Lokomotivnoye depo Leningrad-Baltiyskiy (for Kurbatov).
(Locomotives)

S/196/62/000/004/020/023
E194/E155

AUTHOR: Pushkarev, I.F.

TITLE: Electrical automatic control of hydraulic transmission of a diesel locomotive

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no. 4, 1962, 6, abstract 4 L23. (Sb. tr. Leningr. in-t inzh. zh.-d. transp., no. 175, 1961, 74-90). 

TEXT: An electrical automatic control circuit for the hydraulic transmission of a diesel locomotive is described and its traction and economic characteristics are given. A signal corresponding to the locomotive speed is provided by a tachogenerator, whose output voltage causes a measuring relay to actuate an intermediate relay which operates the solenoid drive of the speed-change mechanism. The speed signal is corrected by adjustment applied to the exciter field current of the tachogenerator by the controller of the primary motor, which alters the resistance in the field circuit winding of the tachogenerator. The controller fulfills the function of a speed

Card 1/2

Electrical automatic control of ...

S/196/62/000/004/020/023

E194/E155

pick-up for the prime mover, because its position uniquely determines the crankshaft speed. During automatic switching of speed range, hunting is prevented by means of an additional winding on the measuring relay, which sets up a flux in opposition to that of the main winding. Curves are given of tractive effort, efficiency and switching characteristics of a locomotive drive. The control circuit, and oscillograms of switching circuits, etc. are also shown. The circuit was checked experimentally on models and in experimental locomotives types TГM3 (TGM3) and TГ100 (TG100).
8 figures, 6 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

S/196/62/000/004/021/023
E194/E155

AUTHOR: Pushkarev, I.F.

TITLE: The use of semiconductor devices in the automatic control system of the hydro-mechanical transmission of a diesel locomotive

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.4, 1962, 6, abstract 4 L24. (Sb. tr. Leningr. in-t inzh. zh.-d. transp., no.175, 1961, 91-100).

TEXT: The article describes a control system based on semiconductors applied to a three-stage hydro-mechanical transmission of a diesel locomotive type ТГ-100 (TG-100) and based on the principle of a reference measurement of locomotive engine speed. The control system consists of a locomotive-speed pick-up signal, a reference signal of locomotive speed, executive elements and a voltage convertor. The system gives stable speed-change characteristics of optimum shape, depending upon the requirements applied to the particular type of locomotive, and also a high return factor with precise relay operation. If necessary, it is possible to use small speed

Card 1/2

The use of semiconductor devices ... S/196/62/000/004/021/023
E194/E155

overlaps on changing the transmission ratio. The system is compact and light. It has the disadvantages of being difficult to adjust and that changes in accumulator voltage affect the accuracy of operation. It is considered possible to use the system to control a three-stage hydro-mechanical transmission and to develop a control system for the two-stage transmissions of locomotives types TFM3 (TGM3) and TГ 102 (TG102). The results of the first tests of controlling hydro-mechanical transmission with semiconductor equipment provide support for the development of a completely contactless automatic control system for a diesel locomotive.

5 illustrations, 3 literature references.

[Abstractor's note: Complete translation.]

Card 2/2

PUSHKAREV, I. I.

Review of Applied Mycology
Vol. 33 Mar. 1954

(1)
PUSHKAREV (I. I.). Мероприятия по борьбе с Картофельным раком. [Control measures against Potato wart.] Сад и Огород [Orchard & Garden], 1953, 9, pp. 53-55, 1953.

The success of quarantine measures in checking the spread of potato wart [*Synchytrium endobioticum*] in the U.S.S.R. [see preceding and next abstracts] depends largely on timely detection of the disease and the cultivation of resistant varieties. The measures should apply without exception to all districts where spread is likely; potatoes and other solanaceous plants should not be planted in infested soil. Thorough soil disinfection is recommended, chloropicrin giving the best results; slight primary infections should be treated immediately on detection, under the guidance of the quarantine inspection officer, with a 5 per cent. solution of caustic soda or concentrated lye, both at 15 l. per sq. m. [cf. R.A.M., 32, p. 448].

PUSHKAREV, I.I., prof.; KVITKO, G.P.

Unutilized capacities for increasing wheat yields. Zemledelie
25 no.6:79-80 Je '79.
(MIRA 16:7)

1. Belotserkovskiy sel'skokhozyaystvennyy institut.
(Ukraine—Wheat)
(Fertilization of plants)

PUSHKAREV, I.I.; AL'SMIK, P.

[Potatoes] Bul'ba. Vyd. 2., perapr. i dap. Minsk, Dziarzhaunae
vydavetstva BSSR, 1955. 189 p. (MLRA 10:4)
(White Russia--Potatoes)

ACC NR: AR6035076

SOURCE CODE: UR/0169/66/000/008/G002/G002

AUTHOR: Pushkarev, I. K.; Khrychev, B. A.; Ivanova, A. P.; Lipskaya, S. V.

TITLE: Investigation of the deep-seated structure of the Earth crust in Kazakhstan along the Temir-Tan-Ters-Akkan profile

SOURCE: Ref. zh. Geofizika, Abs. 8G12

REF SOURCE: Sb. Geofiz. issled. v Kazakhstane. Alma-Ata, Kazakhstan, 1965, 28-35

TOPIC TAGS: earth, earth crust, geophysics, seismic prospecting

ABSTRACT: A description is given of the method and results of seismic research carried out in 1959—1961 along the Temir-Tau-Ters-Akkan profile, which is part of the Temir-Tau-Kuybyshev deep-seated profile. As a result of the interpretation of data obtained, the probable model of the Earth's crust is represented in the following form: in the upper part (maximum depth—5.5 km) lies a complex of relatively poorly dislocated sedimentation rock. Below this, to a depth of 20 km, the cut is shown as a complex structure of metamorphic rocks of the "granite"

Card 1/2

UDC: 551.14:550.834(574)

ACC NR: AR6035076

layer (velocities of 5.75—6.35 km/sec). Further, with increase in depth the structure of the crust becomes more simple, and low-lying areas appear. At a depth of 30 km, there is supposedly the roof of the "basalt" layer on which a jump in velocity of 400 m/sec is registered. Individual reflecting surfaces appear in the thick part of this layer. Finally, at a depth of 40—47.5 km, the Moho surface lies with an 8.55 km/sec boundary velocity of propagation of elastic waves. [Translation of abstract] : [GC]

SUB CODE: 08, 03/

Card 2/2

BARANOV, B., prepodavatel'; SYCHEV.; PUSHKAREV, L.

Useful book. ("Guide to the study of navigation regulations" by
M.A. Sutyrin. Reviewed by B. Baranov, Sychev, L. Pushkarev).
Rech.transp. 19 no.5:56 My '60. (MIR 13:7)

1. Gor'kovskoye rechnoye uchilishche (for Baranov). 2. Kapitan
dizel'-elektrokhoda "Fridrikh Engel's" (for Sychev). 3. Kapitan
teplokhoda "Admiral Ushakov" (for Pushkarev).
(Inland navigation)
(Sutyrin, M.A.)

PUSHKAREV, L.

Our experience in handling heavily loaded pusher-tug barge-trains downstream. Rech.transp. 14 [i.e. 15] no.3:23-24 Mr '56.
(MLRA 9:8)

1. Kapitan ~~teplokhoda~~ "Admiral Ushakov."
(Towing) (Tugboats) (Barges)

GORBASHEVA, T.P.; PUSHKAREV, L.N.

New data on resection of the posterior [i.e.,inferior]
vena cava craniad to the inflow of the renal veins. Arkh.
anat., glist. i embr. 42 no.5:50-57 My '62. (MIRA 15:6)

1. Kafedra normal'noy anatomii (zav. - prof. T.P. Gorbashova)
Sverdlovskogo meditsinskogo instituta.
(VENA CAVA--SURGERY)
(RENAL VEIN)

USSR/Human and Animal Physiology. Blood Circulation.
Blood Vessels.

T-5

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55646.

Author : Pushkarov, L.N.

Inst : All Union Society of Anatomists, Histologists and
Embryologists, Sverdlovsk Section.

Title : The Problem of Ligation of the Vena Cava Inferior
Above Its Junction With the Renal Veins.

Orig Pub: Sb. nauch. rabot Sverdl. otd. Vses. o-va anatomov,
histologov i embriologiv, 1957, vyp. 1, 74-73.

Abstract: In 13 dogs and 15 cats a ligation of the vena cava
inferior was performed 1-1½ cm above its junction
with the renal veins. During a period of 9 days
to 14 months the animals were clinically observed.
Also, injections were given, roentgenography was

Card : 1/2

82

USSR/Human and Animal Physiology. Blood Circulation.
Blood Vessels.

T-5

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55646.

used, and vein specimen preparations were obtained.
Out of 35 animals, 33 survived. Decompensation
stages (4-5 days), subcompensation stages (1-2 weeks),
and compensation stages were observed. The collateral
blood circulation was performed by the veins of the
vertebral channel, by the veins of the thoracic and
abdominal walls, by the veins of the muscles of rectus
abdominis, by the azygos vein and by the suprarenal
veins, by the ureteric, phrenic, and uterine veins,
and finally, by the perinephric cellular tissue
veins.

Card : 2/2

PUSHKAREV, L.N.

Some data on the various stages of experimental stenosis of the
inferior vena cava between the liver and the diaphragm.
Eksper. khir. i anest. no.1:30-34 '65. (MIRA 18:11)

1. Kafedra normal'noy anatomii (zav. - prof. T.P. Gorbacheva)
Sverdlovskogo meditsinskogo instituta.

USSR/ Miscellaneous - Politics

Card 1/1 Pub. 124 - 15/40

Authors : Pushkarev, L. N., and Trusova, N. S.

Title : Scientific archives. New documents on the January 9, 1905 uprising

Periodical : Vest. AN SSSR 1, 72-82, Jan 1955

Abstract : New interesting facts are presented regarding the memorable January 9, 1905 workers uprising in Petersburg, Russia. The oppressive treatment of labor classes by the Russian Czarist government which led to the bloody uprising is described. Thirteen Russian references (1904-1905).

Institution :

Submitted :

USSR/ Scientific Organization - Conferences

Card 1/1 Pub..124 - 36/40

Authors : Pushkarev, L. N., Cand. of Philolog. Sc.

Title : Problems dealing with the scientific publication of documents

Periodical : Vest. AN SSSR 1, page 122, Jan 1955

Abstract : Minutes are presented of a meeting, held at the Institute of History, Academy of Sciences, USSR (Nov. 23, 1954), at which problems of scientific publication of documents were discussed.

Institution :

Submitted :

BAKHTIYAROV, V.A.; PUSHKAREV, L.N. (Sverdlovsk)

Pathomorphology of the inferior vena cava following its ligation.
Arkh.pat. no.11:70-72 '61. (MIRA 14:10)

1. Iz kafedry normal'nyy anatomi (zav. - prof. T.P. Gorbasheva)
Sverdlovskogo meditsinskogo instituta i iz patologoanatomiceskogo
otdeleniya (konsul'tant - dotsent V.A. Bakhtiyarov) Sverdlovskoy
oblastnoy bol'nitsy No.1.
(VENA CAVA--SURGERY)

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GRINMAN, I.G.; PUSHKAREV, L.P.

Measuring the back-pull of wire in the drawing process by the
frequency method. Trudy Inst.iad.fiz.AN Kazakh.SSR 4:132-137
'61. (MIRA 14:8)
(Wire drawing) (Frequency measurements)

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CIA-RDP86-00513R001343620011-0

GRINMAN, I.G.; PUSHKAREV, L.P.

Device for measuring the countercnson of wire. Izm.tekh. no.10:
25-26 O '61. (MIRA 14:11)
(Photoelectric measurements)

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CIA-RDP86-00513R001343620011-0"

PHASE I BOOK EXPLOITATION

SCV/5690

2-3

Akademika nauk Kazakhskoy SSR. Institut yadernoy fiziki.

Metallovedeniye i obrabotka metallov dwleniyem (Physical Metallurgy and Pressworking of Metals) Alma-Ata, 1961. 183 p. (Series: Trudy Instituta yadernoy fiziki, t. 4) 2,450 copies printed.
Resp. Eds.: I. G. Grinman and A. A. Presnyakov; Resp. Secretary: V. V. Chervyakova;
Eds.: N. Ya. Brailovskaya and T. I. Shevchuk; Tech. Ed.: Z. P. Rorolina.

PURPOSE: This book is intended for scientific research workers, technical personnel in industry, and students and aspirants interested in problems of physical metallurgy and the pressworking of metals.

CONTENTS: The book, Volume IV of the Transactions of the Institute of Nuclear Physics, Academy of Sciences Kazakh SSR, contains papers reviewing problems of physical metallurgy. Attention is given to a consideration of metal ductility, strength, phase transformation, and the ordering of various alloys, and to a discussion of the diffusion mechanism of the plasticity. Experimental findings concerning strength, deformation, and external friction in the working of non-ferrous metals and alloys are included in papers dealing with metal rolling.

Card 1/6

13

Physical Metallurgy and Processing of Metals

CC7/5350

Report of scientific investigation and control of multistage wire-drawing
processes also considered. Most of the papers are accompanied by references,
the majority of which are Soviet.

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Yudin, P. G. On the Problem of the Deformation Mechanism of Metalllic Solids	3
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13

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RUL'KOV, Dmitriy Ivanovich; SARATOV, Vladimir Fadeyevich;
SHCHEPETOV, I.A., retsentent; PUSHKAREV, L.V., retsentent;
PIL'KIN, V.N., retsentent; CHESTNOV, Ye.I., inzh., red.; LOBANOV,
Ye.M., red.izd-va; BODROVA, V.A., tekhn. red.

[Ship operation and maintenance] Sudovye raboty. Moskva,
Izd-vo "Rechnoi transport", 1963. 283 p. (MIRA 17:1)

1. Nachal'nik Sudokhodnoy inspeksiya Volzhskogo basseyna
(for Shchepetov). 2. Prepodavatel' Omskogo rechnogo uchi-
lishcha (for Pil'kin).

VLADIMIROV, Nikolay Petrovich; CHICHENETOV, Ivan Alekseyevich;
BMOGLAZOV, Vasiliy Ivanovich; PUSHKAREV, Leonid Vasil'yevich;
ZERNOV, S.A., inzh., retsenzent; AGAILOV, A.D., kapitan,
retsenzent; PYATLIN, A.A., kapitan, retsenzent; MAKULIN, P.F.,
kapitan, retsenzent; MOSKVIN, S.V., kapitan-nastavnik,
retsenzent; FOKOCHKIN, Ye.M., red.; MAKRUSHINA, A.N., red.

[Special sailing directions for the Volga-Kama and Don River
basins; Moscow Canal, Volga river from the Ivankovo Hydraulic
Development Complex to Bertyul', Kama River from the city of
Perm to its estuary, Volga-Don Canal, Tsimlyansk Reservoir, and
the Don River from the Tsimlyansk Reservoir to the city of
Rostov] Spetslotsiya Volzhsko-Kamskogo i Donskogo basseinov; ka-
nal im. Moskvy, r. Volga ot Ivan'kovskogo gidrouzla do nas.
p. Bertyul', r. Kama ot g. Perm' do ust'ia, Volgo-Donskoi kanal
im. V.I.Lenina, Tsimliansko vodokhranilishche i r. Don ot
Tsimlianskogo vodokhranilishcha do g.Rostov. Moskva, Transport,
1964. 288 p. (MIRA 17:10)

PUSHKAREV, L.V., kapitan

Let us develop and improve the pushing method. Rech. transp. 14
no.5:13-18 My '55. (MLRA 8:7)

1. Volzhskiy teplokhod "Admiral Ushakov". (Towing)

MURAGI, M.I.

Improved raft towing. Rech. tr. 16 cc. 2:5-7 J1 '57. (MIRA 10:9)

J. Kaitei tested "Admiral Ushio."
(Towing)

PUSHKAREV, L.V.

Our experience in making up tows for pushing. Rech.transp. 16
no.10:40-41 0 '57. (MIRA 10:12)

1.Kapitan teplokhoda "Admiral Ushakov."
(Towing)

PUSHKAREV, M.

Kadiyevka in the process of building. Mast.ugl. 9 no.5:21 My
'60. (MIRA 13:7)

1. Glavnnyy arkhitektor goroda Kadiyevka.
(Kadiyevka--City planning)

ROZENBERG, M.I.; ANDRIYEVSKIY, S.K.; PUSHKAREV, N.A.

[Readings in physics] Kniga dlja chtenija po fizike. Sost.
S.K.Andrievskii, N.A.Pushkarev i M.I.Rozenberg. Moskva, Gos.
uchebno-pedagog.izd-vo. Pt.1. [Mechanics] Mekhanika. 1958.
(MIRA 14:1)

(Mechanics)

PUSHKAREV, N.I. (Bizhbulyak)

Metastatic adenoma of the thyroid gland. Klin.med. 34 no.11:73-74
N 56. (MIRA 10:2)

1. Iz khirurgicheskogo otdeleniya Bizhbulyakskoy rayonnoy bol'nitsy
Bashkirskoy SSR (glavnnyy vrach A.A.Khudoshin)

(THYROID GLAND, neoplasms
adenoma, metastases to forehead)

(HEAD, neoplasms
adenoma, subcutaneous frontal, metastatic from thyroid
gland)

(ADENOMA, case reports
thyroid gland, metastases to forehead)

PUSHKAREV, N.I.

Chordoma of the sacrococcygeal region. Khirurgija Supplement:²⁴
(MIR 11:4)
'57.

1. Iz khirurgicheskogo otdeleniya Bishbulyakskoy bol'nitsy,
Bashkirskaya ASSR.
(SACROCOCGYGEAL REGION--CANCER)

PUSHKAREV, N.I.

Calculus of the parotid gland. Sov.med. 23 no.1:134 Ja '59.
(MIRA 12:2)

1. Iz khirurgicheskogo otdeleniya Bizhbulyskoy rayonnoy bol'nitsy
(glavnnyy vrach Z.S. Kolosova) Bashkirskoy ASSR.
(CALCULI)
(PAROTID GLANDS--DISEASES)

PUSHKAREV, N.I.

Dermoid in the sternal region. Khirurgiia 35 no.1:131 Ja '59.
(MIRA 12:2)

1. Iz khirurgicheskogo otdeleniya Bishbulyakskoy bol'ničey
(glavnnyy vrach P.P. Sorokin) Bashkirskoy ASSR.
(STERNUM--TUMORS)

PUSHKAREV, N.I.

Calcification and ossification in gouters. Kaz. Med. Zhur. no.6:
19-20 '62. (MIRA 17:5)

I. Khirurgicheskaya otdeleniya Bishbulyakskoy bol'nitsy (glavnyy
vrach - P.P. Serekin), Bashkirska ASSR.

PUSHKAREV, N.I.

(Bashkirskaya ASSR)

Diagnosis of appendicitis in the second half of pregnancy.
Kaz.med. zhur. no.5:89 S-0'63 (MIRA 16:12)

PUSHKAREV, N.I. (Bishbulyak, Bashkirskoy ASSR)

Combined right strangulated inguinal hernia and volvulus of
the sigmoid intestine. Kaz. med. zhur. no.5:72-73 S-0 '61.
(MIRA 15:3)

(HERNIA)
(INTESTINES-- OBSTRUCTIONS)

PUSHKAREV, N.I.

Rare fetal monster. Fel'd. i akush. 26 no.9:58 S '61.
(MIRA 14:10)

1. Bizhbulaks'kaya rayonnaya bol'nitsa Bashkirskoy ASSR.
(MONSTERS)

PUSHKAREV, N.I.

Neurinoma of the brachial plexus. Kaz. med. zhur. 41 no.3:76 My-
(MIRA 13:9)
Je '60.

1. Iz khirurgicheskogo otdeleniya Bishbulyakskoy bol'nitsy (glavvrach -
A.D. Chudakova) Bashkirskoy ASSR.
(BRACHIAL PLEXUS—TUMORS)

TREGUB, F.S.; PUSHKAREV, N.K.

Change in the design of the tape-winding mechanism on the
OS-60 cscillograph for operations using the correlation
reflected wave method and deep seismic probing. Geofiz.
razved no.11:85-89 '63. (MIRA 16:8)

(Seismic prospecting....Equipment and supplies)

84813

S/181/60/002/008/048/052/XX
B006/B070

24.4500

AUTHORS: Gubanov, A. I., Pushkarev, O. Ye.

TITLE: Wave Functions of Valence Binding in Some Crystals 2

PERIODICAL: Fizika tverdogo tela, 1960, Vol. 2, No. 8, pp. 1776-1782

TEXT: The aim of the authors was to derive a more accurate (approximate) wave function of the valence electrons (localized along the valence lines) than was possible in a previous paper (Ref. 2). They use a variational method for this purpose. They consider the valence line of a diatomic molecule and choose a trial function which is analogous to that used in Ref. 3 for the hydrogen ion molecule. When the interatomic distance is increased, the trial function breaks into two atomic functions which, in the present case, are two sp^3 functions of the neighboring atoms. To determine the trial function more conveniently, the atomic functions must be obtained first. The following approximate atomic function is assumed in §1: $R = ar[\exp(-2r/r_k) - b\exp(-4r/r_i)]$, where r_k is the covalent radius, and r_i is the ion radius. a and b are determined from the orthogonality

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84813

Wave Functions of Valence Binding in
Some Crystals

S/18:/60/002/008/048/052/XX
B006/B070

and normalization conditions, respectively. $\int_0^{r_i} r^2 R dr = 0$, $\int_0^{\infty} r^2 R^2 dr = 1$.

b and a are explicitly given by (5) and (6). For a number of elements, numerical values of r_k , r_i , b, and a are given in a table. The atomic functions for carbon, gallium, germanium, and arsenic are represented in Figs. 1-4. In the following, the authors determine the single-electron wave functions of the valence lines of diamond-type crystals by the method of variation. A numerical computation is made for germanium, and its results are given. The numerical example shows that in the approximation given here the wave function obtained by the variational method considered here is not much different from a linear combination of the atomic functions. In the present case, the maximum is shifted somewhat away from the atom, i.e., the electron density forms a cluster between the nearest atoms. There are 4 figures, 1 table, and 5 references: 2 Soviet, 1 US, 1 German, and 1 British.

ASSOCIATION: Fiziko-tehnicheskiy institut AN SSSR, Leningrad (Institute of Physics and Technology AS USSR, Leningrad)

Card 2/3

84813

Wave Functions of Valence Binding in
Some Crystals

S/181/60/002/008/048/052/XX
B006/B070

SUBMITTED: December 22, 1959

Card 3/3

26.233)

B104/B205

AUTHORS: Cubanov, A. I. and Pushkarev, O. Ye.

TITLE: The Hartmann problem in magnetoplasmadynamics

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 31, no. 5, 1961, 621-623

TEXT: In magnetohydrodynamics, Hartmann et al. (Mat.-fys. Medd., 15, 6 and 7, 1937) studied the motion of plasma between two immobile plates. The plasma was assumed to have isotropic viscosity. The present authors have studied the case where the magnetic field is directed along the x-axis and perpendicular to the plates. A similar investigation has been carried out by Gubanov et al. (ZhTF, XXV, 1053, 1960). The symbols and equations introduced in this paper are also used here. These equations differ from those presented here:

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22786

The Hartmann problem in...

S/05//61, 001, 005, 011, 020
B104/B205

$$\left. \begin{aligned} \eta b'_1 \frac{d^2 v_x}{dz^2} - \eta b''_1 w_1 \tau_2 \frac{d^2 v_y}{dz^2} + \sigma \frac{H_0^2}{c^2} (v_y x - v_x) &= \\ = \frac{1 + \frac{1}{2} x^2}{1 + x^2} \frac{dp}{dx} - \sigma \frac{H_0}{c} \frac{x E_x + E_y}{1 + x^2}, \\ \eta b'_1 \frac{d^2 v_y}{dz^2} + \eta b''_1 w_1 \tau_2 \frac{d^2 v_x}{dz^2} - \sigma \frac{H_0^2}{c^2} (v_x x + v_y) &= \\ = \frac{1}{1 + x^2} \frac{dp}{dx} - \sigma \frac{H_0}{c} \frac{E_x - x E_y}{1 + x^2}. \end{aligned} \right\} \quad (1)$$

only in the terms with dp/dx (the x -axis is directed parallel to the pressure gradient). In addition, $\omega_1 \tau_1 H_0 / H = \chi$, is valid. The boundary conditions for the velocities are: $v_x = v_y = 0$ at $z = 0$ and $z = h$ (2);

h is the spacing of the plates. Two cases are to be distinguished:

1) E_x and E_y are given; if the plates are conducting, $E_x = E_y = 0$.

2) $H_x = H_y = 0$ at $z = 0$ and $z = h$. From the system (1) and (2) the following solutions are obtained for the first case:

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The Hartmann problem in...

B104/B205

$$v_x + iv_y = (v_x^0 + iv_y^0) \left(1 - \frac{\operatorname{ch} k_1 \left(z - \frac{h}{2} \right)}{\operatorname{ch} k_1 \frac{h}{2}} \right), \quad (3)$$

$$v_x^0 = -\frac{dp}{dx} \frac{c^2}{\sigma H_0^2} + \frac{c}{H_0} E_x, \quad v_y^0 = \frac{dp}{dx} \frac{c^2}{\sigma H_0^2} \frac{x}{2} - \frac{c}{H_0} E_x. \quad (4)$$

In analogy to the previous paper, the following expression is then obtained:

$$j_x + ij_y = -\sigma \frac{H_0}{c} \frac{x - t}{1 + x^2} (v_x^0 + iv_y^0) \frac{\operatorname{ch} k_1 \left(z - \frac{h}{2} \right)}{\operatorname{ch} k_1 \frac{h}{2}} + i \frac{c}{H_0} \frac{dp}{dx}, \quad (5)$$

wherefrom it follows that

$$\begin{aligned} H_x + iH_y &= (H_x + iH_y)_{z=0} + \frac{4\pi}{ic} \int_0^z (j_x + ij_y) dz = (H_x + iH_y)_{z=0} + \\ &+ 4\pi\sigma \frac{H_0}{c^2} \frac{1 + ix}{1 + x^2} (v_x^0 + iv_y^0) \frac{\operatorname{sh} k_1 \left(z - \frac{h}{2} \right) + \operatorname{sh} k_1 \frac{h}{2}}{k_1 \operatorname{ch} k_1 \frac{h}{2}} + \frac{4\pi}{H_0} \frac{dp}{dx} z. \end{aligned} \quad (6)$$

By eliminating E_x and E_y from (3), (4), and (6), the solutions

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22786

S/057/61/031/005/017/020
B104/B205

The Hartmann problem in...

$$v_x + i v_y = - \frac{dp}{dx} \frac{h}{2} \frac{c^2}{\sigma H_0^2} (1 - ix) \frac{\operatorname{ch} k_1 \frac{h}{2} - \operatorname{ch} k_1 (z - \frac{h}{2})}{\operatorname{sh} k_1 \frac{h}{2}}, \quad (7)$$

$$H_x + i H_y = - \frac{dp}{dx} \frac{h}{2} \frac{4\pi}{H_0} \frac{\operatorname{sh} k_1 (z - \frac{h}{2})}{\operatorname{sh} k_1 \frac{h}{2}} + \frac{dp}{dx} \frac{4\pi}{H_0} (z - \frac{h}{2}). \quad (8)$$

are obtained for the second case. If the magnetic field is parallel to the plates, the plasma will move like in hydrodynamics but with varying viscosity. If the direction of the magnetic field and the direction of the moving plasma form a right angle, a pressure gradient will appear. Yu. P. Lun'kin is thanked for discussions. There are 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A. F. Ioffe AN SSSR
Leningrad (Institute of Physics and Technology imeni
A. F. Ioffe, AS USSR, Leningrad)

SUBMITTED: December 7, 1960

Card 4/4

46223
S000760 003.006-001 032
B105/B101

11/11/81
11/11/81

AUTHOR: Gribanov, A. I., and Puskaray, S. Ya.

TITLE: Viscous boundary layer in magnetohydrodynamic flow past a flat plate of finite

PERIODICAL: Zhurnal tehnicheskoy fiziki, no. 1, 1969, pp. 1-62

TEXT: The magnetohydrodynamic equations for the boundary layer of a conducting fluid placed in a uniform magnetic field are derived. The dependence of conductivity on the magnetic field strength is taken into account, since this cannot be neglected when $W\tau$ is not negligible, i.e., in a rarefied gas which is in a strong magnetic field. The ion current is assumed negligible, temperature and viscosity constant, and the gas incompressible. It is shown that inside the boundary layer of thickness δ the electrical field E is constant, so that one has the equations

$$\rho \left(\frac{\partial u_x}{\partial x} + u_x \frac{\partial u_x}{\partial z} \right) = - \frac{\partial p}{\partial x} + \mu \frac{\partial^2 u_x}{\partial z^2} + \frac{c(B)^2}{1 + \omega^2 \tau^2} (\omega \tau v_y - v_x) \quad (1)$$

$$\frac{\partial^2 v_x}{\partial z^2} \left(\rho \frac{\partial^2 v_x}{\partial z^2} + \frac{4\tau}{3\pi \mu \eta^2} \left(u_x^2 - \frac{\partial u_x}{\partial z} \frac{\partial u_x}{\partial z} - \frac{\partial v_x}{\partial z} \frac{\partial v_x}{\partial z} \right) \right) = \frac{4\tau}{3\pi \mu \eta^2} \left(u_x^2 - \frac{\partial u_x}{\partial z} \frac{\partial u_x}{\partial z} - \frac{\partial v_x}{\partial z} \frac{\partial v_x}{\partial z} \right). \quad (2)$$

CARD 1/3

"APPROVED FOR RELEASE: 03/14/2001

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APPROVED FOR RELEASE: 03/14/2001

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VILLENA'S BOUNDARY LINES IN ...

S/306/032/006/002/022
S106/3102

SUBMITTED: July 14, 1961

X

Card 3/3

ACC NR: AP7605435

SOURCE CODE: UR/0382/66/000/002/0057/0060

AUTHOR: Gavril'yuk, O. Ye.

SLD: none

TITLE: Heat cycle and optimum load of a magnetogasdynamic converter

SOURCE: Magnitnaya gidrodinamika, no. 2, 1966, 57-60

TOPIC TADS: magnetogasdynamics, thermodynamics

ABSTRACT: Simple expressions are obtained for the efficiency of certain cycles of a magnetogasdynamic converter. The external load providing the maximum efficiency for one particular case is found. The examination is limited to the heat in a closed cycle of the converter itself. As compared with the Carnot cycle, the efficiency of the simplest converter cycle is determined by the ratio of the resistance of the external load to the internal resistance of the converter and by the temperature of the working medium at which Joule heat is liberated.

When the transformation coefficient increases, the thermal coefficient decreases, and the efficiency increases. The maximum efficiency is reached for a given external load resistance. The optimum resistance of the external load in the given case, considering an imperfect regenerator, was about twice as large as the internal resistance of the converter. The author thanks V. M. Gavrilyuk for directing the work. Orig. art. has: 2 figures and 6 formulas. [JPRS: 38,764]

SUB CODE: 20 / SUBM DATE: 10Nov65 / ORIG REF: 002 / OTH REF: 001

INFO. COC 05.500 1

Card 1/1

PUSHKAREV, P.I.

Contactless remote control networks in the petroleum industry.
Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 4 no.8:109-116 '62.

(MIRA 16:6)

(Remote control)
(Petroleum industry--Electronic equipment)

S/271/63/000/003/017/049
A060/A126

AUTHOR: Pushkarev, P.I.

TITLE: Network for receiving a polarity code using ferrites with rectangular hysteresis loop

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 70, abstract 3A398 (Izv. AN KirgSSR. Ser. yestestv. i tekhn. n., 1961, v. 3, no. 6, 71 - 73; summary in Kirgiz)

TEXT: A network solution is proposed for the reception of a binary code with polarity criterion. The reception of a definite digit of the code is based on the principle of correspondence of each pulse in the code to the magnetic state of a ferrite (i.e., the pulse should have the same polarity as the cell setting and the same ordinal number as the ferrite). The setting of the ferrite for the appropriate polarity of code pulses is realized by setting the direction of the windings. The network assumes the reception of a sequential code. It is constructed in the following way. Only in the case when there occurs a code

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Network for receiving a polarity code using

S/271/63/000/003/017/049
A060/A126

message with a number of pulses equal to the number of network elements and with their order of sequence corresponding to the setting sequence of the cells, do all the elements operate and a pulse arises at the output winding of the last element. This pulse indicates that the setting of the N-th code letter is realized. In all other cases of other sequencing of the pulse polarity not all the elements operate and no pulse will occur at the output. The return of the elements to the initial magnetic state is realized by a pulse in the return circuit. The thus formed full cycle of changes is ended and the network is prepared for the reception of the code. A schematic diagram is shown and its operation is described in detail. There is 1 figure and 1 reference.

D.S.

[Abstracter's note: Complete translation]

Card 2/2

PUSHKAREV, P.I.

Receiving circuit for a polar code on ferrates with rectangular
hysteresis loops. Izv.AN Kir.SSR.Ser.est.i tekhn.nauk 3 no.6:71-
73 '61. (MIRA 15:11)
(Remote control) (Electromagnets) (Ferrates--Testing)

PYSHKIN, V. P.

"Experimental Clinical Data on the Pathogenesis and Treatment of Disorders of the Motor Functions of the Stomach of Cattle." Cand. Vet. Sci., Omsk State Veterinary Inst, Omsk, 1954. (RZhVet, No 6, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations defended at USSR Higher Educational Institutions (15)

R-2

USSR/Diseases of Farm Animals. Noninfectious Diseases

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31098

Author : Pushkarev, R.P.

Inst : Agricultural Institute of Uzbekistan

Title : On the Pathogenesis and Treatment of the Motor Gastric Disorders in Cattle.

Orig Pub : Nauchn. tr. Uzb. s.-kh. in-t, 1956, 10, 127-136

Abstract : It has been established that the motor activity of the compound stomach of cattle is regulated by mechanoreceptors, thermoreceptors and chemoreceptors. The development of disorders of the motor function of the stomach depends upon either inadequate stimulations (of the mechano-thermo-chemo-receptors) or the usual ones that are exceptional as to their strength, duration, etc., which alter the signal activity of interoceptors, resulting in the change of the action of higher regulatory organs, i.e., of the cortex cerebri and subcortical centers. When watering animals with water at 12-18°C., an increase of the frequency and strength of contractions and

Card : 1/3

13

USSR/Diseases of Farm Animals - Noncontagious Diseases.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54904.

Author : Fushkarev, R. P.

Inst :

Title : On the Problem of Treating Rumen Diseases in Large Horned Cattle.

Orig Pub: Veterinariya, 1957, No 7, 55-56.

Abstract: It was shown that carbocholin (I) stimulates the efferent function of all stomach parts, acting for 4-6 hours 3-5 minutes after hypodermoclysis. Frequency and strength of gastric contractions, especially of the rumen and the reticulum, increases by 2-3 times. When (I) is administered on an empty stomach in medium size doses, it causes slowing of reticulum and rumen contractions for 10-30 minutes

Card : 1/3

USSR/Diseases of Farm Animals - Noncontagious Diseases.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54904.

administration of (II) does not prove sufficiently effective. The therapeutic effect of (II) is evident in the beginning stages of rumen hypotonia only.

Card : 3/3

PUSHKAREV, S.A., inzh.

Experimental investigation of friction coefficients in thrust
bearings of turbines. Energomashinostroenie 4 no.12:25-27
(MIRA 11:12)
D '58.
(Bearings (Machinery)) (Turbines)

(d)

HEAT FLOW THROUGH TURBINE BEARINGS
(Possible Development of Marine Gas Turbine)

S. A. PUSHKAREV

Sudostroyenie, 1958, No. 10, p. 26

The author describes a rig and some results to show the relative effects of rotor heat and bearing friction heat in a plain oil lubricated turbine bearing. Fig. 1 is a diagram of the rig. (1) is an electric heater simulating the rotor. (2) is the experimental bearing. (3) is the current collecting device and (4) are the thermometers.

The author states that the temperatures of the polar journal surfaces result from the mutual interaction of the heat flow from the rotor to the bearings, and the heat developed in the oil film due to rotation. Thus, the temperature distribution is a function of the following quantities: rotor temperature at the centre of the disc, oil at base of the rotor, oil temperature in the bearing clearance, bearing oil pressure, the relative coordinates determining a point on the journal surface, the bearing Reynolds criteria, the parallel criteria and the "Bio" criteria. The bearing diameter was 5.13 in., total length 41 in., effective length 4 in., relative clearance 0.002, and the bearing arc [20]. The bearing was fitted with ball bearings. The bearing diameter was 5.13 in., total length 41 in., effective length 4 in., and the shaft rotated at 9,000 r.p.m.

Fig. 3 shows the temperature distribution along the shaft and the bush. Curve 1 represents 8,250 r.p.m., (2) 900 r.p.m. and (3) 0 r.p.m. The results showed that for low speeds the amount of heat carried away by the oil was about the same as that developed by bearing friction. At high speeds, however, this amount of heat was only 5-7 per cent. of the bearing friction. Variation in load did not affect the thermal condition very much.

The authors give an experimental curve showing the heat transfer of the journal in the plain bearing. Fig. 5 shows temperature distribution estimated from formulae evolved from these experiments, between the bearing, (1) represents a solid rotor and journal forging, (2) is a hollow shaft whilst the third illustration shows a roller located on a hollow shaft.

It would appear that this work applies to a gas turbine and not a steam turbine although this is not specifically stated, as no mention is made of the effect of steam temperatures at the glands.

The graphs shown in Fig. 5 demonstrate that the temperature at the centre of the disc varies between 20° and 30° depending on the design. The temperature in front of the bearing labyrinth, however, does not exceed 160°C., so that it does not matter if some oil gets back into this gland.

Higher rotor temperatures can only be obtained by increasing the thermal resistance of the junction between rotor and shaft.

Alternatively, the shaft should be cooled in front of the bearing

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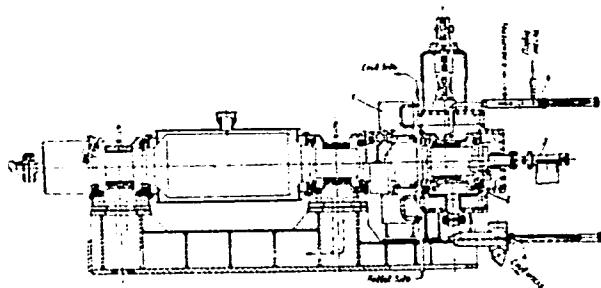


Fig. 1

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PUSHKAREV, S.A., inzh.

Investigating heat exchange in sliding bearings. Sudostreenerie
24 no.10:26-30 O '58. (MIRA 11:12)
(Steam turbines--Testing) (Heat exchangers)
(Bearings (Machinery))

NADPOROZHSKIY, I.I., inzh.; PUSHKAREV, S.A., inzh.

Clutch with hydraulic drive and electronic control. Sudostroenie
27 no.9:36-39 S '61. (MIRA 14:11)
(Marine engineering) (Clutches (Machinery))

L 27952-66 EWT(1)/EWA(h)

ACC NR: AP6017693

SOURCE CODE: UR/0103/65/026/012/2265/2276

AUTHOR: Pushkarev, S. M. (Moscow)

ORG: none

TITLE: Analysis of a reversible DC magnetic amplifier with increased efficiency when operating with an active load

SOURCE: AN SSSR. Avtomatika i telemekhanika, v. 26, no. 12, 1965, 2265-2276

TOPIC TAGS: magnetic amplifier, DC amplifier

ABSTRACT: Two operating states of an increased-efficiency reversible dc amplifier are analysed. The theoretical design power and efficiency of the amplifier are calculated. An expression is developed for the transfer function of the amplifier with stepped input and output signals. The investigations showed that there are two operating states of the amplifier, depending on the ratio between the ballast and load resistances of the amplifier. The boundary between the two states lies at equality of ballast and load resistances. The experimental and calculated transfer functions agreed well. The author thanks Ye. L. L'vov for his advice and suggestions in completing this work. Orig. art. has: 5 figures and 71 formulas.

JPRS
SUB CODE: 09 / SUBM DATE: 16Apr65 / ORIG REF: 004

UDC: 621.375.3.024.001.24

Card 1/1 BLG

TVERDOVSKIY, G.I., inzhener; PUSHKAREV, T.P., inzhener.; SAVCHENKO, N.Ya.
PROTOPOPOVA, Ye.V., inzhener

Method of processing sunflower seeds at the Namangan Oil Mill.
Mas.-zhir.prom. 20 no.4:30-31 '55. (MLRA 8:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for
Tverdovskiy). 2. Namanganskiy maslozavod (for Pushkarev, Sav-
chenko, Protopopova)
(Namangan--Sunflower seed oil)

PUSHKAROV, G. P. Tashk., Uzbek. SSR; KOBZHOV, Yu., India.

Problems in the execution of overall engineering preparations in the area of a microdistrict. Zhil. stroi. no.5:6-9 '65. (MIRA 18:7)

VEKSMAN, A., inzh.; PUSHKAREV, V., kand.tekhn.nauk; BGATOV, N.

Assembly-line construction of large residential blocks. Zhil.
stroi. no.11:2-5 '59. (MIRA 13:4)
(Novosibirsk--Apartment houses)
(Assembly-line methods)

ПУНКТИЧЕСКАЯ КИНЕТИКА РЕДУКЦИИ НИКЕЛЯ, В.А.

Kinetics of the reduction of nickel oxide. Izv.vych.schob.
zav., tsvet.metal. 8 no.2;39-44 '65.

(МЖР 1961)

1. Kafalra obshchey metallurgii Leningradskogo politekhnicheskogo
instituta. Submitted November 20, 1965.

PUSHKAREV, V.A.

Iron phosphate reduction. Trudy LFI no.253:102-107 165.

(MIRA 18:8)

TORLINA, L.I.; ANISHCHENKO, V.P.; PUSHKAREV, V.P.; TORLIN, F.I.; BELOUSOV,
N.P.; BELOUSOV, G.Ye.

Redesigning of the components of a glass furnace. Prom.energ.
17 no.7:6-7 Jl '62. (MIRA 15:7)
(Glass furnaces)

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RECORDED ON: 10/10/1992

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001343620011-0"

BUKIREV, V. F.

75-6: BUKIREV, V. F., I VORSY.

NETOCHNI MARYUJEMY NAD ISPREMIYEM, VIAZHNOOT'YU POCHVY I SNEZHNYM
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SILZIFI - V SVETR NEUSTROYSSCR. TRUDY GOS, 19r. FOK. V PER. ---
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PUSHKAREV, V.F.

Investigation of methods of observation on evaporation from soil
surfaces. Trudy GGI no.45 '54. (MLRA 8:11)
(Evaporation)

KONSTANTINOV, A.R.; PUSHKAREV, V.F.

Characteristics of conditions of evaporation and transpiration
from agricultural fields in a zone of excess humidification.
Trudy GGI no.46:146-192 '54. (MLRA 8:11)
(Evaporation) (Plants--Transpiration)

KONSTANTINOV, A.R.; PUSHKAREV, V.F.; SAMOKHINA, K.P.

Characteristics of evaporation regime in agricultural fields in reclaimed
virgin and waste lands. Trudy GGI no.48:5-21 '55. (MLRA 9:7)
(Evaporation)

PHASE I BOOK EXPLOITATION	SOV/2384
Konferentsiya po agrometeorologii i agroklimatologii Ukrainskoy SSR	
Materiialy konferentsii (Material of the Conference on Agricultural Meteorology and Climatology of the Ukrainian SSR) Lenigrad	
Glavnaya redakcia, 1958. 257 p. Errata slip inserted. 700 copies printed.	
Sponsoring Agency: USSR. Ol'govnoe upravleniye gidrometeorologicheskoy sluzhby, Ukrainian SSR. Ministerstvo sel'skogo khozyaystva, Ukrainskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut, and Ukrainskaya akademiya sel'skohozyaystvennykh nauk.	
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PromoSE: This book is intended for agriculturists, agrometeorologists, and instructors in related subjects.	
COVERAGE: This collection of articles deals with problems in agricultural meteorology in the Ukraine. Among the topics discussed are: wintering, planting time for winter crops, corn cultivation, potato degeneration, moisture supply, and adverse weather factors. References accompany individual articles.	
Material of the Conference (Cont.)	SOV/2384
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Kopachevskiy, M.M. Autumn and Spring Frosts in the Ukraine	202
Sapozhnikova, N.A. [Professor, Ukrainian Scientific Research Hydromet, Institute] Climatic Conditions of Corn Cultivation in the Ukraine	214
Rudenko, A.I. [All-Union Institute of Crop Science] The Effect of Climatic Conditions on the Degeneration of Potatoes and the Appearance of Phytopathogens (Parasitic Fungi)	230
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PUSHKAREV, V.E.

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Repp. Ed.: V.A. Urzayev; Ed.: V.S. Protopopov; Tech. Ed.: M.I. Bryzina.

PURPOSE: This work is intended for meteorologists, hydrologists, and hydrogeologists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrology which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series includes V.A. Urzayev (Chairman), O.A. Alekin, Ye.V. Bliznyak (deceased), O.A. Borovuk, M.A. Veilkanov, B.I. Kudelin, L.P. Manoil, M.P. Minkel', B.P. Orlov, Kritskiy, B.I. Prokuryakov, D.L. Sokolovskiy, O.A. Spangler, I.V. Popov, A.K. Prokuryakov, D.L. Sokolovskiy, O.A. Chernovskiy, A.I. Chebotarev, and S.K. Chernovskiy. This volume is divided into 2 sections: the first contains reports from the subsections for the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.

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KONSTANTINOV, A.R.; POPOV, O.V.; PUSHKAREV, V.F.

Evaluating methods of determining evaporation and other components
of the water balance of farm fields. Trudy UkrNIGMI no.30:19-30
'61. (MIRA 15:1)

(Evaporation)
(Meteorology, Agricultural)

PUSHKAREV, V.F.

Experimental investigation of evaporation from potato fields.
Trudy GGI no.91:110-131 '61. (MIRA 14:8)
(Evaporation)
(Baldei Hills ..Potatoes)

PUSHKAREV, V.F.

Total evaporation and transpiration of corn. Trudy GGI
no.91:132-151 :61.
(Russia, Northwestern--Corn (Maize))
(Evaporation)

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D040/D113

AUTHORS: Bugrova, A.A., and Pushkarev, V.F.

TYPE: Semihot press forging of stainless steels

PERIODICAL: Kuznechno-shtampovochnoye proizvodstvo, no. 8, 1962, 15-17

ABSTRACT: Experimental investigations on the possibilities of semihot press forging X18H9T (KhLSN9T) stainless steel bushings with high degrees of deformation are described. The developed techniques permitted bushings to be forged in 1 stroke with 7-8 class finish. Blanks 10 mm in diam. and 10 mm high were forged in an experimental die on a 40 t press producing 90 strokes/min. The proper heating temperature was 700-750°C and the best lubricant proved to be a mixture of 3 parts graphite and 1 part chalk mixed in water. A solid coating on the blanks was obtained by tumbling them with leather soaked in the lubricant with subsequent heating. The die set was additionally lubricated with oil. Forging with 70% reduction required only 120-125 kg/mm² pressure - significant in view of the wear of the dies. Semihot forging of bushings and rollers of 40XH (40KhN) and "45" steels for articulated chains is also being

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Semihot press forging of stainless steels

S/152/62/000/008/001/003

DC40/D113

developed, no subsequent machining being required. The ICPZ is already using the described process for making roller bearing races of УХ 15(ShKh15) steel. There are 6 figures.

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KONSTANTINOV, A.R.; PUSHKAREV, V.F.

Observations on evaporation from the surface of water and soil in
the U.S.S.R. Nek.probl.neteor. no.1:72-95 '60. (MIRA 13:8)
(Evaporation)

PUSHKAREV V.F.

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AUTHOR: Pushkarev, V.F.

TITLE: Investigation of the Resistance to Deformation During Rolling,
and a Refinement of the Method for the Calculation of the
Pressure of the Metal Against the Rolls (Issledovaniye soproti-
vleniya deformatsii pri prokatke i utochneniye metodiki pods-
cheta davleniya metalla na valki)

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ASSOCIATION: Mosk. vyssh. tekhn. uch-shche (Moscow Technical College),
Moscow

1. Metals--Deformation--Effects of rolling 2. Rolling mills--Pressure
--Mathematical analysis 3. Rolling mills--Performance--Bibliography

Card 1/1